

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A motor drive device having a motor with an inner rotor,
the motor drive device being provided to a motor drive section for opening and closing a
sunroof of a motor vehicle, comprising:

a stator core enclosing a space and being constituted by coils, which are respectively
wound on stator teeth; and

a motor shaft being provided in the space, equipped with a rotor magnet and rotatably
held by a motor case,

wherein one end the motor shaft includes a worm section connected to a speed
reduction unit, and an opposite end of the motor shaft is held by a thrust holder provided to a
lid,

wherein the motor shaft is inserted into said motor case, with the worm section
leading, and pierces through the stator core, and

wherein one axial end surface in the axial direction of said stator core is butted
against an inner wall surface of said motor case, ~~and said~~

said stator is urged core being urged toward axially one axial end surface side from
~~axially the other~~ an opposite axial end surface side, and

said stator core being fixed in said motor case by fitting a lid in an the lid in the
opening section of said motor case.

2. (Currently Amended) The motor drive device according to claim 1,
wherein an elastic member is sandwiched between the ~~other~~ opposite axial end
surface ~~in the axial direction of~~ said stator core and said lid.

3. (Original) The motor drive device according to claim 1,
wherein said lid is snap-fitted in the opening section of said motor case.

4. (Currently Amended) The motor drive device according to claim 1,
wherein the motor is a brushless motor ~~is attached to said~~ attached in said motor case.

5. (Withdrawn) A motor drive device comprising: a motor; and a control board
including a motor drive circuit,
wherein a board case, which accommodates said control board, and dampers are
integrated with a motor case.

6. (Withdrawn) The motor drive device according to claim 5,
wherein said control board is attached to said board case by: piling said control board
on a board receiving section in said board case; and clamping said control board and said
board receiving section, which have been piled, between the dampers.

7. (Withdrawn) The motor drive device according to claim 5,

wherein an opening section is formed from an outer mounting surface to a side surface of said board case, which is formed like a housing; said board receiving section, which forms a cavity on the outer mounting surface side in the opening section, is inwardly projected in said board case; the dampers are inserted through the opening section on the side surface side so as to clamp said control board and said board receiving section, which have been piled; and screws are inserted into axial holes of the dampers so as to fix to said motor case.

8. (Withdrawn) The motor drive device according to claim 5,
wherein said motor drive device is used for opening and closing a vehicle sun roof.

9. (Withdrawn) A motor drive device comprising: a motor; a speed reduction unit, which is linked with a motor shaft and which transmits driving torque, and a control board, which includes a motor drive circuit, being faced and attached in a board case; and a shielding member being provided between said speed reduction unit and said control board so as to separate the two in one space of said board case, said shielding member having a shaft hole, through which an output shaft of said speed reduction unit is pierced.

10. (Withdrawn) The motor drive device according to claim 9,
wherein said speed reduction unit and said shielding member, which covers said speed reduction unit, are attached to a first case; and the first case, to which said control

board is attached, is integrated with a second case, whereby said speed reduction unit and said control board are separated in one space.

11. (Withdrawn) The motor drive device according to claim 9,
wherein said shielding member is a laminated sheet-shaped member, in which a flat cloth sheet is provided on the speed reduction unit side and a plastic sheet is provided on the control board side.

12. (Withdrawn) The motor drive device according to claim 9,
wherein said motor drive device is used for opening and closing a vehicle sun roof.